

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=6; day=30; hr=12; min=34; sec=5; ms=818; ]

=====

Application No: 10564081

Version No: 1.1

**Input Set:****Output Set:****Started:** 2008-06-30 12:30:33.123**Finished:** 2008-06-30 12:30:35.336**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 213 ms**Total Warnings:** 205**Total Errors:** 0**No. of SeqIDs Defined:** 205**Actual SeqID Count:** 205

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

**Input Set:**

**Output Set:**

**Started:** 2008-06-30 12:30:33.123  
**Finished:** 2008-06-30 12:30:35.336  
**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 213 ms  
**Total Warnings:** 205  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 205  
**Actual SeqID Count:** 205

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

# SEQUENCE LISTING

<110> ROBERTS, Gareth W  
GILL-GARRISON, Rosalynn D  
GRIMALDI, Keith

<120> Computer-assisted Means for Providing Personalized  
Healthcare Products

<130> 620-409

<140> 10564081

<141> 2008-06-24

<150> US 60/486,239

<151> 2003-07-11

<150> PCT/GB2004/002979

<151> 2004-07-09

<160> 205

<170> PatentIn Ver. 2.1

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 1

atcgggtgaga ccattgcccg ctggg

25

<210> 2

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 2

cccagcgggc aatggtctca ccgat

25

<210> 3

<211> 25

<212> DNA

<213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:  
 Oligonucleotide

<400> 3  
 atcgggtgaga ccggtgccccg ctggg 25

<210> 4  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:  
 Oligonucleotide

<400> 4  
 cccagcgggc aacggtctca ccgat 25

<210> 5  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:  
 Oligonucleotide

<400> 5  
 acctccacct cctgggctca cacga 25

<210> 6  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:  
 Oligonucleotide

<400> 6  
 tcgtgtgagc ccaggaggtg gaggt 25

<210> 7  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:  
 Oligonucleotide

<400> 7

acctccacct cccgggctca cacga 25

<210> 8

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 8

tcgtgtgagc cggggaggtg gaggt 25

<210> 9

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 9

caggtgcctt gtgtcttccg tttga 25

<210> 10

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 10

tcaaacggaa gacacaaggc acctg 25

<210> 11

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 11

caggtgcctt gtatcttccg tttga 25

<210> 12

<211> 25

<212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 12  
 tcaaacggaa gatacaaggc acctg 25  
  
  
 <210> 13  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 13  
 cttccgtttg acggaagaga atgga 25  
  
  
 <210> 14  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 14  
 tccattctct tccgtcaaac ggaag 25  
  
  
 <210> 15  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 15  
 cttccgtttg acagaagaga atgga 25  
  
  
 <210> 16  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:

Oligonucleotide

<400> 16

tccattctct tctgtcaaac ggaag 25

<210> 17

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 17

acagcaaata ccgaaaaatc tactc 25

<210> 18

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 18

gagtagattt ttcggtattt gctgt 25

<210> 19

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 19

acagcaaata ccaaaaaatc tactc 25

<210> 20

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 20

gagtagattt tttcctattt gctgt 25



<210> 21  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 21  
taataataat aataaatgtc tttta 25

<210> 22  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 22  
taaaagacat ttattattat tatta 25

<210> 23  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 23  
taataataat aataaatgta tttta 25

<210> 24  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 24  
taaaatacat ttattatttt aatta 25

<210> 25  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 25

taataataat aaaaaatgtc tttta 25

<210> 26

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 26

taaaagacat tttttatttt aatta 25

<210> 27

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 27

taaaatacat tttttatttt aatta 25

<210> 28

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 28

aataataaat gtctttttaa gatgg 25

<210> 29

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 29  
ccatcctttaa aagacattta ttatt 25

<210> 30  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 30  
aataaaaaat gtctttttaa gatgg 25

<210> 31  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 31  
ccatcctttaa aagacatttt ttatt 25

<210> 32  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 32  
aataataaat gtatttttaa gatgg 25

<210> 33  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 33  
ccatcctttaa aatacattta ttatt 25

<210> 34

<211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 34  
 aataaaaaat gtattttaaa gatgg 25  
  
  
 <210> 35  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 35  
 ccatctttaa aatacatttt ttatt 25  
  
  
 <210> 36  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 36  
 agggatatttt tacatccctc cagtt 25  
  
  
 <210> 37  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 37  
 aactggaggg atgtaaaaat accct 25  
  
  
 <210> 38  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>

<223> Description of Artificial Sequence: Oligonucleotide	
<400> 38 agggtatattt tatatccctc cagtt	25
<210> 39 <211> 25 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide	
<400> 39 aactggaggg atataaaaaat accct	25
<210> 40 <211> 25 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide	
<400> 40 ggaatctggt acctggacca aatca	25
<210> 41 <211> 25 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide	
<400> 41 tgatttggtc caggtaccag attcc	25
<210> 42 <211> 25 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Oligonucleotide	
<400> 42 ggaatctggt acttggacca aatca	25

<210> 43  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 43  
tgatttggtc caagtaccag attcc 25

<210> 44  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 44  
cgcttgaacc tcgaacaatt gaaga 25

<210> 45  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 45  
tcttcaattg ttcgaggttc aagcg 25

<210> 46  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 46  
cgcttgaacc tcaaacaatt gaaga 25

<210> 47  
<211> 25  
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 47

tcttcaattg ttgaggttc aagcg 25

<210> 48

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 48

aacctggtga tggatccctt actat 25

<210> 49

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 49

atagtaaggg atccatcacc aggtt 25

<210> 50

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 50

aacctggtga tgaatccctt actat 25

<210> 51

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 51	
atagtaaggg attcatcacc aggtt	25
<210> 52	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:	
Oligonucleotide	
<400> 52	
gctacattgc ccgcaagcac aacct	25
<210> 53	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:	
Oligonucleotide	
<400> 53	
aggttgtgct tgcgggcaat gtagc	25
<210> 54	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:	
Oligonucleotide	
<400> 54	
cgctgcaaatt acatctccct catct	25
<210> 55	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:	
Oligonucleotide	
<400> 55	
agatgaggga gatgtatttg cagcg	25



<210> 56  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 56  
cgctgcaaat acgtctccct catct 25

<210> 57  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 57  
agatgaggga gacgtatttg cagcg 25

<210> 58  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 58  
tctggcagga ggcgggcaag gatga 25

<210> 59  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide  
  
<400> 59  
tcatccttg cgcctcctg ccaga 25

<210> 60  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 60  
tctggcagga ggtgggcaag gatga 25

<210> 61  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 61  
tcataccttgc ccacctcctg ccaga 25

<210> 62  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 62  
accataaagc agaagctgat gccct 25

<210> 63  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 63  
agggcatcag cttctgcttt atggt 25

<210> 64  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 64

agctggctcc ggttttgggg tatct 25

<210> 65

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 65

agatacccca aaaccggagc cagct 25

<210> 66

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 66

agctggctcc ggctttgggg tatct 25

<210> 67

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 67

agatacccca aagccggagc cagct 25

<210> 68

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 68

ttacagccca gatagctctt cagcc 25

<210> 69

<211> 25

<212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 69  
 ggctgaagag ctatctgggc tgtaa 25  
  
  
 <210> 70  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 70  
 ttacagccca gacagctctt cagcc 25  
  
  
 <210> 71  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 71  
 ggctgaagag ctgtctgggc tgtaa 25  
  
  
 <210> 72  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:  
     Oligonucleotide  
  
 <400> 72  
 tgtctgcggg agccgatttc atcat 25  
  
  
 <210> 73  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:

Oligonucleotide

<400> 73

atgatgaaat cggctcccg agaca 25

<210> 74

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 74

tgtctgcggg agtcgatttc atcat 25

<210> 75

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 75

atgatgaaat cgactcccg agaca 25

<210> 76

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 76

tgaccagtga agaaagtgtc tttga 25

<210> 77

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 77

tcaaagacac tttcttcact ggtca 25

<210> 78

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 78

tgaccagtga agcaagtgtc tttga